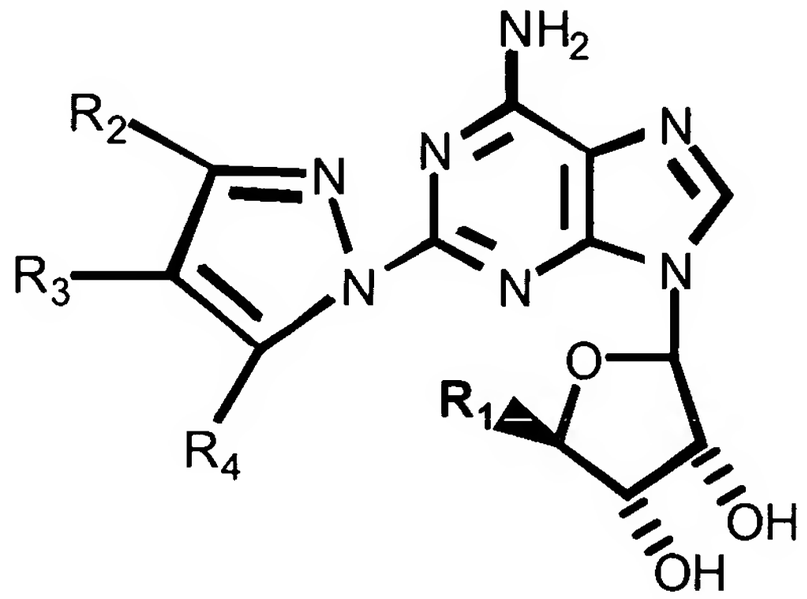
APPENDIX A

Marked-up Claims Pending After Response to Office Action

1.(Once Amended) A compound having the formula:



wherein R^1 = CH_2OH, ~~$CONR_5R_6$~~;

R^3 is selected from the group consisting of ~~C_{1-15} alkyl, halo, NO_2, CF_3, CN, OR^{20}, SR^{20}, $N(R^{20})_2$, $S(O)R^{22}$, SO_2R^{22}, $SO_2N(R^{20})_2$, $SO_2NR^{20}COR^{22}$, $SO_2NR^{20}CO_2R^{22}$, $SO_2NR^{20}CON(R^{20})_2$, $N(R^{20})_2$ $NR^{20}COR^{22}$, $NR^{20}CO_2R^{22}$, $NR^{20}CON(R^{20})_2$, $NR^{20}C(NR^{20})NHR^{23}$, COR^{20}, CO_2R^{20}, $CON(R^{20})_2$, $CONR^{20}SO_2R^{22}$, $NR^{20}SO_2R^{22}$, $SO_2NR^{20}CO_2R^{22}$, $OCONR^{20}SO_2R^{22}$, $OC(O)R^{20}$, $C(O)OCH_2OC(O)R^{20}$, and $OCON(R^{20})_2$,~~ $CONR^7R^8$, ~~C_{2-15} alkenyl, C_{2-15} alkynyl, heterocyclyl,~~ and aryl, ~~and heteroaryl,~~ wherein the ~~alkyl, alkenyl, alkynyl,~~ aryl~~, heterocyclyl and heteroaryl~~ substituents ~~are~~ is optionally substituted with from 1 to 3 substituents independently selected from the group consisting of halo, alkyl, ~~NO_2, heterocyclyl, aryl, heteroaryl, CF_3, CN,~~ and OR^{20}; ~~SR^{20}, $N(R^{20})_2$, $S(O)R^{22}$, SO_2R^{22}, $SO_2N(R^{20})_2$, $SO_2NR^{20}COR^{22}$, $SO_2NR^{20}CO_2R^{22}$, $SO_2NR^{20}CON(R^{20})_2$, $N(R^{20})_2$ $NR^{20}COR^{22}$, $NR^{20}CO_2R^{22}$, $NR^{20}CON(R^{20})_2$, $NR^{20}C(NR^{20})NHR^{23}$, COR^{20}, CO_2R^{20}, $CON(R^{20})_2$, $CONR^{20}SO_2R^{22}$, $NR^{20}SO_2R^{22}$, $SO_2NR^{20}CO_2R^{22}$, $OCONR^{20}SO_2R^{22}$, $OC(O)R^{20}$, $C(O)OCH_2OC(O)R^{20}$, and $OCON(R^{20})_2$ and wherein optional heteroaryl, aryl, and heterocyclyl substituent is optionally substituted with halo, NO_2, alkyl, CF_3, amino, mono- or di-alkylamino, alkyl or aryl or heteroaryl amide, $NCOR^{22}$, $NR^{20}SO_2R^{22}$, COR^{20}, CO_2R^{20}, $CON(R^{20})_2$, $NR^{20}CON(R^{20})_2$, $OC(O)R^{20}$, $OC(O)N(R^{20})_2$, SR^{20}, $S(O)R^{22}$, SO_2R^{22}, $SO_2N(R^{20})_2$, CN, and OR^{20}~~;

~~R^5 and R^6 are each individually selected from H, C_1-C_{15} alkyl optionally substituted with from 1 to 2 substituents independently selected from the group consisting of halo, NO_2,~~

~~heterocyclyl, aryl, heteroaryl, CF_3, CN, OR^{20}, SR^{20}, $N(R^{20})_2$, $S(O)R^{22}$, SO_2R^{22}, $SO_2N(R^{20})_2$, $SO_2NR^{20}COR^{22}$, $SO_2NR^{20}CO_2R^{22}$, $SO_2NR^{20}CON(R^{20})_2$, $N(R^{20})_2$ $NR^{20}COR^{22}$, $NR^{20}CO_2R^{22}$, $NR^{20}CON(R^{20})_2$, $NR^{20}C(NR^{20})NHR^{23}$, COR^{20}, CO_2R^{20}, $CON(R^{20})_2$, $CONR^{20}SO_2R^{22}$, $NR^{20}SO_2R^{22}$, $SO_2NR^{20}CO_2R^{22}$, $OCONR^{20}SO_2R^{22}$, $OC(O)R^{20}$, $C(O)OCH_2OC(O)R^{20}$, and $OCON(R^{20})_2$ and wherein optional heteroaryl, aryl, and heterocyclyl substituent is optionally substituted with halo, NO_2, alkyl, CF_3, amino, mono- or di- alkylamino, alkyl or aryl or heteroaryl amide, $NCOR^{22}$, $NR^{20}SO_2R^{22}$, COR^{20}, CO_2R^{20}, $CON(R^{20})_2$, $NR^{20}CON(R^{20})_2$, $OC(O)R^{20}$, $OC(O)N(R^{20})_2$, SR^{20}, $S(O)R^{22}$, SO_2R^{22}, $SO_2N(R^{20})_2$, CN, and OR^{20};~~

R^7 is selected from the group consisting of hydrogen, straight or branched C_{1-15} alkyl, and C_{3-8} cycloalkyl, ~~C_{2-15} alkenyl, C_{2-15} alkynyl, heterocyclyl, aryl and heteroaryl,~~ wherein the alkyl, ~~alkenyl, alkynyl, aryl, heterocyclyl and heteroaryl~~ substituents ~~are~~ is optionally substituted with from 1 to 3 substituents independently selected from the group consisting of ~~halo, NO_2, heterocyclyl,~~ aryl, ~~heteroaryl, CF_3, CN, OR^{20}, SR^{20}, $N(R^{20})_2$, $S(O)R^{22}$, SO_2R^{22}, $SO_2N(R^{20})_2$, $SO_2NR^{20}COR^{22}$, $SO_2NR^{20}CO_2R^{22}$, $SO_2NR^{20}CON(R^{20})_2$, $N(R^{20})_2$ $NR^{20}COR^{22}$, $NR^{20}CO_2R^{22}$, $NR^{20}CON(R^{20})_2$, $NR^{20}C(NR^{20})NHR^{23}$, COR^{20};~~ and CO_2R^{20}, ~~$CON(R^{20})_2$, $CONR^{20}SO_2R^{22}$, $NR^{20}SO_2R^{22}$, $SO_2NR^{20}CO_2R^{22}$, $OCONR^{20}SO_2R^{22}$, $OC(O)R^{20}$, $C(O)OCH_2OC(O)R^{20}$ and $OCON(R^{20})_2$~~ and wherein the optional ~~heteroaryl,~~ aryl ~~and heterocyclyl~~ substituent is optionally substituted with halo, ~~NO_2, alkyl, CF_3, amino, mono- or di- alkylamino, alkyl or aryl or heteroaryl amide, $NCOR^{22}$, $NR^{20}SO_2R^{22}$, COR^{20}, CO_2R^{20}, $CON(R^{20})_2$, $NR^{20}CON(R^{20})_2$, $OC(O)R^{20}$, $OC(O)N(R^{20})_2$, SR^{20}, $S(O)R^{22}$, SO_2R^{22}, $SO_2N(R^{20})_2$, CN, and OR^{20}~~;

R^8 is selected from the group consisting of hydrogen, straight or branched C_{1-15} alkyl, and C_{3-8} cycloalkyl ~~C_{2-15} alkenyl, C_{2-15} alkynyl, heterocyclyl, aryl, and heteroaryl, wherein the alkyl, alkenyl, alkynyl, aryl, heterocyclyl, and heteroaryl substituents are optionally substituted with from 1 to 3 substituents independently selected from the group consisting of halo, NO_2, heterocyclyl, aryl, heteroaryl, CF_3, CN, OR^{20}, SR^{20}, $N(R^{20})_2$, $S(O)R^{22}$, SO_2R^{22}, $SO_2N(R^{20})_2$, $SO_2NR^{20}COR^{22}$, $SO_2NR^{20}CO_2R^{22}$, $SO_2NR^{20}CON(R^{20})_2$, $N(R^{20})_2$ $NR^{20}COR^{22}$, $NR^{20}CO_2R^{22}$, $NR^{20}CON(R^{20})_2$, $NR^{20}C(NR^{20})NHR^{23}$, COR^{20}, CO_2R^{20}, $CON(R^{20})_2$, $CONR^{20}SO_2R^{22}$, $NR^{20}SO_2R^{22}$, $SO_2NR^{20}CO_2R^{22}$, $OCONR^{20}SO_2R^{22}$, $OC(O)R^{20}$, $C(O)OCH_2OC(O)R^{20}$, and $OCON(R^{20})_2$ and wherein each optional heteroaryl, aryl, and heterocyclyl substituent is optionally substituted with halo, NO_2, alkyl, CF_3, amino, mono- or di- alkylamino, alkyl or aryl~~

~~or heteroaryl amide, $NCOR^{22}$, $NR^{20}SO_2R^{22}$, COR^{20}, CO_2R^{20}, $CON(R^{20})_2$, $NR^{20}CON(R^{20})_2$, $OC(O)R^{20}$, $OC(O)N(R^{20})_2$, SR^{20}, $S(O)R^{22}$, SO_2R^{22}, $SO_2N(R^{20})_2$, CN, and OR^{20}~~;

R^{20} is selected from the group consisting of ~~H~~ hydrogen, ~~and~~ $C_{1\text{-}15}$ alkyl~~, $C_{2\text{-}15}$ alkenyl, $C_{2\text{-}15}$ alkynyl, heterocyclyl, aryl, and heteroaryl, wherein the alkyl, alkenyl, alkynyl, heterocyclyl, aryl, and heteroaryl substituents are optionally substituted with from 1 to 3 substituents independently selected from halo, alkyl, mono- or dialkylamino, alkyl or aryl or heteroaryl amide, CN, O $C_{1\text{-}6}$ alkyl, CF_3, aryl, and heteroaryl~~;

~~R^{22} is selected from the group consisting of $C_{1\text{-}15}$ alkyl, $C_{2\text{-}15}$ alkenyl, $C_{2\text{-}15}$ alkynyl, heterocyclyl, aryl, and heteroaryl, wherein the alkyl, alkenyl, alkynyl, heterocyclyl, aryl, and heteroaryl substituents are optionally substituted with from 1 to 3 substituents independently selected from halo, alkyl, mono- or dialkylamino, alkyl or aryl or heteroaryl amide, CN, O $C_{1\text{-}6}$ alkyl, CF_3, aryl, and heteroaryl;~~ and

wherein R^2 and R^4 are ~~selected from the group consisting of H~~ hydrogen~~, $C_{1\text{-}6}$ alkyl and aryl optionally substituted with halo, CN, CF_3, OR^{20} and $N(R^{20})_2$, with the proviso that when R^2 is not hydrogen then R^4 is hydrogen, and when R^4 is not hydrogen then R^2 is hydrogen~~.

2. (Once Amended) The compound of claim 1 wherein R^3 is ~~selected from the group consisting of $C_{1\text{-}15}$ alkyl, halo, CF_3, CN, OR^{20}, SR^{20}, $S(O)R^{22}$, SO_2R^{22}, $SO_2N(R^{20})_2$, COR^{20},~~ CO_2R^{20}~~,~~ and ~~$CONR^7R^8$, aryl and heteroaryl wherein the alkyl, aryl and heteroaryl substituents are optionally substituted with from 1 to 3 substituents independently selected from the group consisting of halo, aryl, heteroaryl, CF_3, CN, OR^{20}, SR^{20}, $S(O)R^{22}$, SO_2R^{22}, $SO_2N(R^{20})_2$, COR^{20}, CO_2R^{20} and $CON(R^{20})_2$, and wherein each optional heteroaryl and aryl substituent is optionally substituted with halo, alkyl, CF_3 CN, and OR^{20}~~;

~~R^5 and R^6 are each individually selected from the group consisting of H, and C_1-C_{15} alkyl optionally substituted with one aryl substituent that is optionally substituted with halo or CF_3;~~

~~R^7 is selected from the group consisting of $C_{1\text{-}15}$ alkyl, $C_{2\text{-}15}$ alkynyl, aryl, and heteroaryl, wherein the alkyl, alkynyl, aryl, and heteroaryl substituents are optionally substituted with from 1 to 3 substituents independently selected from the group consisting of halo, aryl, heteroaryl, CF_3, CN, and OR^{20}, and wherein each optional heteroaryl and aryl substituent is optionally substituted with halo, alkyl, CF_3 CN, and OR^{20}~~;

~~R^8 is selected from the group consisting of hydrogen and $C_{1\text{-}15}$ alkyl;~~

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R^{20} is selected from the group consisting of ~~H,~~hydrogen and C_{1-4} alkyl ~~and aryl, wherein the alkyl and aryl substituents are optionally substituted with one alkyl substituent; and~~

~~R^{22} is selected from the group consisting of C_{1-4} alkyl and aryl, wherein the alkyl and aryl substituents are optionally substituted with from 1 to 3 alkyl groups~~.

3. (Once Amended) The compound of claim 1 wherein R^3 is ~~selected from the group consisting of C_{1-15} alkyl, halo, CF_3, CN, OR^{20}, CO_2R^{20}, $CONR^7R^8$, aryl and heteroaryl, wherein the alkyl, aryl and heteroaryl substituents are optionally substituted with from 1 to 3 substituents independently selected from the group consisting of halo, alkyl, aryl, CF_3, CN, OR^{20}, CO_2R^{20} or $CON(R^{20})_2$, and wherein each optional heteroaryl and aryl substituent is optionally substituted with halo, alkyl, CF_3 CN, and OR^{20}~~;

~~R^5 and R^6 are each individually selected from hydrogen and C_{1-6} alkyl;~~

R^7 is selected from the group consisting of hydrogen, straight or branched C_{1-10} alkyl, ~~aryl,~~ and C_{3-5} cycloalkyl~~heteroaryl~~, wherein the alkyl~~, aryl and heteroaryl~~ substituents ~~are~~ is optionally substituted with from 1 to 2 substituents independently selected from the group consisting of ~~halo,~~ aryl~~, heteroaryl, CF_3, CN,~~ and CO_2OR^{20}~~, and wherein each optional heteroaryl and aryl substituent is optionally substituted with halo, alkyl, CF_3 CN, and OR^{20}~~;

R^8 is selected from the group consisting of hydrogen, straight and branched C_{1-15-3} alkyl and C_{3-5} cycloalkyl; and

R^{20} is selected from the group consisting of ~~hydrogen and~~ C_{1-4} alkyl.

4. (Once Amended) The compound of claim 1 wherein R^3 is ~~selected from the group consisting of C_{1-10}, alkyl, halo, CF_3, CN, CO_2R^{20}, $CONR^7R^8$,~~ aryl, ~~and heteroaryl~~ wherein the ~~alkyl,~~ aryl ~~and heteroaryl~~ substituents ~~are~~ is optionally substituted with from 1 to 3 substituents independently selected from the group consisting of halo, alkyl~~, CF_3, CN,~~ and OR^{20} ~~and $CON(R^{20})_2$~~; and

~~R^5 and R^6 are each individually selected from hydrogen and C_{1-6} alkyl;~~

~~R^7 is selected from the group consisting of C_{1-10} alkyl, aryl, and heteroaryl, wherein the alkyl, aryl and heteroaryl substituents are optionally substituted with from 1 to 2 substituents independently selected from the group consisting of halo, aryl, heteroaryl, CF_3, CN, OR^{20} and wherein each optional heteroaryl and aryl substituent is optionally substituted with halo, alkyl,~~

~~CF_3 CN, and OR^{20};~~

~~R^8 is selected from hydrogen and C_{1-15} alkyl; and~~

R^{20} is selected from ~~hydrogen and~~and the group consisting of C_{1-4} alkyl.

5. (Once Amended) The compound of claim ~~1~~ 2 wherein R^3 is ~~selected from the group consisting of C_{1-10} alkyl, halo, CF_3, CN, OR^{20}, CO_2R^{20}, $CONR^7R^8$ and aryl; wherein the alkyl and aryl substituents are optionally substituted with from 1 to 3 substituents independently selected from the group consisting of halo, alkyl, CF_3, CN, OR^{20} and $CON(R^{20})_2$;~~

~~R^5 and R^6 are each individually selected from hydrogen and C_{1-6};~~

~~R^7 is selected from the group consisting of C_{1-10} alkyl, aryl, and heteroaryl, where the alkyl, aryl and heteroaryl substituents are optionally substituted with from 1 to 2 substituents independently selected from the group consisting of halo, aryl, heteroaryl, CF_3, CN, OR^{20} and wherein each optional heteroaryl and aryl substituent is optionally substituted with halo, alkyl, CF_3 CN, and OR^{20};~~

~~R^8 is selected from hydrogen and C_{1-15} alkyl~~; and

R^{20} is selected from the group consisting of hydrogen and C_{1-4} alkyl.

6. (Once Amended) The compound of claim ~~1~~ 3 wherein ~~$R^1 = CH_2OH$;~~

~~R^3 is selected from the group consisting of CO_2R^{20}, $CONR^7R^8$ and aryl; wherein the aryl substituent is optionally substituted with from 1 to 3 substituents independently selected from the group consisting of halo, C_{1-6} alkyl, CF_3, CN, OR^{20}, and $CON(R^{20})_2$;~~

R^7 is selected from the group consisting of hydrogen, C_{1-10} 3 alkyl and ~~aryl~~cyclopentyl, wherein the alkyl ~~and aryl~~ substituents ~~are~~ is optionally substituted with from 1 to 2 substituents, independently selected from the group consisting of ~~halo, aryl~~ phenyl and CO_2R^{20}, ~~CF_3, CN, OR^{20}~~ and wherein each optional ~~aryl~~ phenyl substituent is optionally substituted with halo, ~~alkyl, CF_3 CN, and OR^{20}~~;

R^8 is selected from hydrogen and ~~C_{1-15} alkyl~~ methyl; and

R^{20} is selected from hydrogen and ~~C_{1-4} alkyl~~ethyl.

7. (Once Amended) The compound of claim ~~1~~ 4 wherein ~~$R^1 = CH_2OH$;~~

R^3 is ~~selected from the group consisting of CO_2R^{20}, $CONR^7R^8$ and~~ aryl, wherein the

aryl substituent -is phenyl optionally substituted with from 1 to 2 substituents independently selected from the group consisting of ~~halo~~chloro, ~~C_{1-6} alkyl~~methyl, ~~CF_3~~ and OR^{20};

~~R^7 is selected from the group consisting of hydrogen, and C_{1-8} alkyl, wherein the alkyl substituent is optionally substituted with one substituent selected from aryl, CF_3, CN, and OR^{20} and wherein each optional aryl substituent is optionally substituted with halo, alkyl, CF_3 CN, or OR^{20};~~

~~R^8 is selected from hydrogen and C_{1-8} alkyl;~~ and

R^{20} is ~~selected from hydrogen and C_{1-4} alkyl~~ methyl.

~~8. The compound of claim 1 wherein $R^1 = CH_2OH$;~~

~~R^3 is selected from the group consisting of CO_2R^{20}, $CONR^7R^8$, and aryl that is optionally substituted with from 1 to 2 substituents independently selected from the group of halo, C_{1-3} alkyl, CF_3 and OR^{20};~~

~~R^7 is selected from the group consisting of hydrogen, and C_{1-5} alkyl, wherein the alkyl substituent is optionally substituted with aryl, and wherein each optional aryl substituent is optionally substituted with halo, alkyl, CF_3;~~

~~R^8 is selected from hydrogen and C_{1-3} alkyl; and~~

~~R^{20} is selected from hydrogen and C_{1-4} alkyl.~~

~~9. The compound of claim 1 wherein $R^1 = CH_2OH$;~~

~~R^3 is selected from the group consisting of CO_2R^{20}, $CONR^7R^8$, and aryl that is optionally substituted with one substituent selected from the group of halo, C_{1-3} alkyl, and OR^{20};~~

~~R^7 is selected from the group consisting of hydrogen, and C_{1-5} alkyl, wherein the alkyl substituent is optionally substituted with aryl, and wherein each optional aryl substituent is optionally substituted with halo;~~

~~R^8 is hydrogen; and~~

~~R^{20} is selected from hydrogen and C_{1-4} alkyl.~~

~~10. The compound of claim 1 wherein $R^1 = CH_2OH$;~~

~~R^3 is selected from the group consisting of CO_2R^{20}, $CONR^7R^8$, and aryl that is optionally substituted with one substituent selected from halo, C_{1-3} alkyl and OR^{20};~~

~~R^7 is selected from the group consisting of hydrogen, and C_{1-5} alkyl, wherein the alkyl substituent is optionally substituted with aryl, and wherein each optional aryl substituent is optionally substituted with halo;~~

~~R^8 is hydrogen; and~~

~~R^{20} is selected from hydrogen and C_{1-4} alkyl.~~

~~11. The compound of claim 10 wherein R^7 is a methyl.~~

~~12. The compound of claim 10 wherein R_3 is CO_2Et.~~

~~13. The compound of claim 1 wherein R^1 = CONHEt;~~

~~R^3 is selected from the group consisting of CO_2R^{20}, $CONR^7R^8$, and aryl; that is optionally substituted with from 1 to 3 substituents independently selected from the group consisting of halo, C_{1-6} alkyl, CF_3, CN, OR^{20}, and $CON(R^{20})_2$;~~

~~R^7 is selected from the group consisting of hydrogen, C_{1-10} alkyl and aryl, wherein the alkyl and aryl substituents are optionally substituted with from 1 to 2 substituents independently selected from the group consisting of halo, aryl, CF_3, CN, and OR^{20} and wherein each optional aryl substituent is optionally substituted with halo, alkyl, CF_3 CN, and OR^{20};~~

~~R^8 is selected from hydrogen, and C_{1-15} alkyl; and~~

~~R^{20} is selected from hydrogen, and C_{1-4} alkyl.~~

~~14. The compound of claim 1 wherein R^1 = CONHEt;~~

~~R^3 is selected from the group consisting of CO_2R^{20}, $CONR^7R^8$, aryl that is optionally substituted with from 1 to 2 substituents independently selected from the group consisting of halo, C_{1-6} alkyl, CF_3 and OR^{20};~~

~~R^7 is selected from the group consisting of hydrogen, C_{1-8} alkyl, and aryl, wherein the alkyl and aryl substituents are optionally substituted with one substituent selected from the group consisting of halo, aryl, CF_3, CN, OR^{20} and each optional aryl substituent is optionally substituted with halo, alkyl, CF_3 CN, and OR^{20};~~

~~R^8 is selected from hydrogen, and C_{1-8} alkyl; and~~

~~R^{20} is selected from hydrogen, and C_{1-4} alkyl.~~

~~15. The compound of claim 1 wherein R^1 = CONHEt;~~

~~R^3 is selected from the group consisting of CO_2R^{20}, $CONR^7R^8$, and aryl that is optionally substituted with from 1 to 2 substituents independently selected from the group consisting of halo, C_{1-3} alkyl, CF_3 and OR^{20};~~

~~R^7 is selected from the group consisting of hydrogen, and C_{1-5} alkyl, wherein the alkyl substituent is optionally substituted with aryl, and wherein each optional aryl substituent is optionally substituted with halo, alkyl, CF_3;~~

~~R^8 is selected from hydrogen, and C_{1-3} alkyl; and~~

~~R^{20} is selected from hydrogen, and C_{1-4} alkyl.~~

~~16. The compound of claim 1 wherein R^1 = CONHEt;~~

~~R^3 is selected from the group consisting of CO_2R^{20}, $CONR^7R^8$, and aryl that is optionally substituted with one substituent selected from halo, C_{1-3} alkyl and OR^{20};~~

~~R^7 is selected from the group consisting of hydrogen, and C_{1-5} alkyl, wherein the alkyl substituent is optionally substituted with aryl, and wherein each optional aryl substituent is optionally substituted with halo;~~

~~R^8 is hydrogen; and~~

~~R^{20} is selected from hydrogen, and C_{1-4} alkyl.~~

~~17. The compound of claim 1 wherein R^1 = CONHEt;~~

~~R^3 is selected from the group consisting of CO_2R^{20}, $CONR^7R^8$, and aryl that is optionally substituted with one substituent selected from halo, C_{1-3} alkyl and OR^{20};~~

~~R^7 is selected from hydrogen, and C_{1-3} alkyl;~~

~~R^8 is hydrogen; and~~

~~R^{20} is selected from hydrogen, and C_{1-4} alkyl.~~

~~18. The compound of claim 10 where R^1 is CONHEt~~

19. (Once Amended) ~~A~~ The compound ~~matter~~ of claim 1 ~~wherein the compound is~~ selected from the group consisting of

ethyl 1-{9-[(4S,2R,3R,5R)-3,4-dihydroxy-5-(hydroxymethyl)oxolan-2-yl]-6-aminopurin-2-yl}pyrazole-4-carboxylate;

(4S,2R,3R,5R)-2-{6-amino-2-[4-(4-chlorophenyl)-pyrazolyl]purin-9-yl}-5-(hydroxymethyl)oxolane-3,4-diol;

(4S,2R,3R,5R)-2-{6-amino-2-[4-(4-methoxyphenyl)pyrazolyl]purin-9-yl}-5-(hydroxymethyl)oxolane-3,4-diol;

(4S,2R,3R,5R)-2-{6-amino-2-[4-(4-methylphenyl)pyrazolyl]purin-9-yl}-5-(hydroxymethyl)-oxolane-3,4-diol;

(1-{9-[(4S,2R,3R,5R)-3,4-dihydroxy-5-(hydroxymethyl)oxolan-2-yl]-6-aminopurin-2-yl}pyrazol-4-yl)-N-methylcarboxamide~~,~~;

1-{9-[(4S,2R,3R,5R)-3,4-dihydroxy-5-(hydroxymethyl)oxolan-2-yl]-6-aminopurin-2-yl}pyrazole-4-carboxylic acid~~,~~;

(1-{9-[(4S,2R,3R,5R)-3,4-dihydroxy-5-(hydroxymethyl)oxolan-2-yl]-6-aminopurin-2-yl}pyrazol-4-yl)-N,N-dimethylcarboxamide~~,~~;

(1-{9-[(4S,2R,3R,5R)-3,4-dihydroxy-5-(hydroxymethyl)oxolan-2-yl]-6-aminopurin-2-yl}pyrazol-4-yl)-N-ethylcarboxamide~~,~~;

1-{9-[(4S,2R,3R,5R)-3,4-dihydroxy-5-(hydroxymethyl)oxolan-2-yl]-6-aminopurin-2-yl}pyrazole-4-carboxamide~~,~~;

1-{9-[(4S,2R,3R,5R)-3,4-dihydroxy-5-(hydroxymethyl)oxolan-2-yl]-6-aminopurin-2-yl}pyrazol-4-yl)-N-(cyclopentyl~~methyl~~)carboxamide~~,~~;

(1-{9-[(4S,2R, 3R,5R)-3,4-dihydroxy-5-(hydroxymethyl)oxolan-2-yl]-6-aminopurin-2-yl}pyrazol-4-yl)-N-[(4-chlorophenyl)methyl]carboxamide, and

Ethyl 2-[(1-{9-[(4S,2R, 3R,5R)-3,4-dihydroxy-5-(hydroxymethyl)oxolan-2-yl]-6-aminopurin-2-yl}pyrazol-4-yl)carbonylamino]acetate~~, and mixtures thereof~~.

20. (Once Amended) A method for stimulating coronary vasodila~~ta~~tation in a mammal by administering ~~to the mammal~~ by intravenous bolus injectiona ~~therapeutically effective amount~~ an amount of a compound of claim 1 that is sufficient to stress the heart and induce a coronary steal situation for the purposes of imaging the heart.

~~21. The method of claim 20 wherein the therapeutically effective amount ranges from about 0.01 to about 100 mg/kg weight of the mammal.~~

22. The method of claim 20 wherein the mammal is a human.

23. (Once Amended) A pharmaceutical composition comprising ~~the~~ a compound of claim 1 and one or more pharmaceutical excipients~~;~~.

24. The pharmaceutical composition of claim 23 wherein the pharmaceutical composition is in the form of a solution.

25. (Once Amended) The pharmaceutical composition of claim 23 ~~wherein the composition is useful as an~~for the treatment of ~~anti-inflammatory~~inflammation, in adjunctive therapy with angioplasty, ~~as a~~ platelet aggregation ~~inhibitor~~, and ~~as an inhibitor of~~ platelet and neutrophil activation.

26. (New) The compound of claim 19 wherein the compound is (1-{9-[(4S,2R,3R,5R)-3,4-dihydroxy-5-(hydroxymethyl)oxolan-2-yl]-6-aminopurin-2-yl}pyrazol-4-yl)-N-methylcarboxamide.

27. (New) The compound of claim 19 wherein the compound is 1-{9-[(4S,2R,3R,5R)-3,4-dihydroxy-5-(hydroxymethyl)oxolan-2-yl]-6-aminopurin-2-yl}pyrazol-4-yl)-N-(cyclopentyl)carboxamide.

28. (New) The compound of claim 19 wherein the compound is (1-{9-[(4S,2R,3R,5R)-3,4-dihydroxy-5(hydroxymethyl)oxolan-2-yl]-6-aminopurin-2-yl}pyrazol-4-yl)-N-ethylcarboxamide.

29. (New) A method of dilating the coronary vessels of a mammal, as an adjunct to angioplasty, with the pharmaceutical composition of claim 23.